

R. Zemdr

1645

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/393,302

DATE: 05/08/2000
TIME: 18:25:01

Input Set: I393302.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

1 <110> APPLICANT: Hovanessian, Ara
2 Callebaut, Christian
3 Krust, Bernard
4 Jacotot, Etienne
5 Muller, Sylviane
6 Briand, Jean-Paul
7 Guichard, Giles
8 <120> TITLE OF INVENTION: A NOVEL CELL SURFACE RECEPTOR FOR HIV RETROVIRUSES,
9 THERAPEUTIC AND DIAGNOSTIC USES.
10 <130> FILE REFERENCE: 03495.0166-01000
11 <140> CURRENT APPLICATION NUMBER: US/09/393,302
12 <141> CURRENT FILING DATE: 1996-09-10
13 <150> EARLIER APPLICATION NUMBER: PCT/EP98/01409
14 <151> EARLIER FILING DATE: 1998-03-12
15 <150> EARLIER APPLICATION NUMBER: 60/040,969
16 <151> EARLIER FILING DATE: 1997-03-12
17 <160> NUMBER OF SEQ ID NOS: 32
18 <170> SOFTWARE: PatentIn Ver. 2.1
19 <210> SEQ ID NO 1
20 <211> LENGTH: 30
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
23 <220> FEATURE:
24 <223> OTHER INFORMATION: Description of Artificial Sequence: cDNA
25 <400> SEQUENCE: 1
26 cggccgcattc atggtaaggc tcgcgaagg 30
27 <210> SEQ ID NO 2
28 <211> LENGTH: 30
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Description of Artificial Sequence: cDNA
33 <400> SEQUENCE: 2
34 gagagcgcga gagatggaga tggcagacg 30
35 <210> SEQ ID NO 3
36 <211> LENGTH: 30
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Description of Artificial Sequence: cDNA
41 <400> SEQUENCE: 3
42 gcagcaccat gtcggcgccg gcggccaaag 30
43 <210> SEQ ID NO 4
44 <211> LENGTH: 22

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/393,302DATE: 05/08/2000
TIME: 18:25:01

Input Set: I393302.RAW

45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence
47 <220> FEATURE:
48 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
49 <400> SEQUENCE: 4
50 cttcgggtgt acgtgctccg gg 22
51 <210> SEQ ID NO 5
52 <211> LENGTH: 22
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
57 <400> SEQUENCE: 5
58 cctgagtgac tttgtaaggg ag 22
59 <210> SEQ ID NO 6
60 <211> LENGTH: 21
61 <212> TYPE: DNA
62 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Description of Artificial Sequence:
65 primer
66 <400> SEQUENCE: 6
67 ccgcgcgcgc ggcagccctct g 21
68 <210> SEQ ID NO 7
69 <211> LENGTH: 21
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
74 <400> SEQUENCE: 7
75 gtcatcatct tctccctcat c 21
76 <210> SEQ ID NO 8
77 <211> LENGTH: 21
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
82 <400> SEQUENCE: 8
83 cgaccgcgga gcagcaccat g 21
84 <210> SEQ ID NO 9
85 <211> LENGTH: 20
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
90 <400> SEQUENCE: 9
91 ggaagggtgg aatccatcag 20
92 <210> SEQ ID NO 10
93 <211> LENGTH: 40
94 <212> TYPE: PRT

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/393,302DATE: 05/08/2000
TIME: 18:25:01

Input Set: I393302.RAW

95 <213> ORGANISM: Human immunodeficiency virus
96 <400> SEQUENCE: 10
97 Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys Ser Ile Arg Ile Gln
98 1 5 10 15
99 Arg Gly Pro Gly Arg Ala Phe Val Thr Ile Gly Lys Ile Gly Asn Met
100 20 25 30
101 Arg Gln Ala His Cys Asn Ile Ser
102 35 40
103 <210> SEQ ID NO 11
104 <211> LENGTH: 39
105 <212> TYPE: PRT
106 <213> ORGANISM: Human immunodeficiency virus
107 <400> SEQUENCE: 11
108 Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys Ser Ile His Ile Gly
109 1 5 10 15
110 Pro Gly Arg Ala Phe Tyr Thr Thr Gly Glu Ile Ile Gly Asp Ile Arg
111 20 25 30
112 Gln Ala His Cys Asn Leu Ser
113 35
114 <210> SEQ ID NO 12
115 <211> LENGTH: 14
116 <212> TYPE: PRT
117 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 12
119 Lys Lys Leu Glu Leu Ser Glu Asn Arg Ile Phe Gly Gly Leu
120 1 5 10
121 <210> SEQ ID NO 13
122 <211> LENGTH: 14
123 <212> TYPE: PRT
124 <213> ORGANISM: Homo sapiens
125 <400> SEQUENCE: 13
126 Lys Lys Leu Glu Leu Ser Asp Asn Arg Val Ser Gly Gly Leu
127 1 5 10
128 <210> SEQ ID NO 14
129 <211> LENGTH: 16
130 <212> TYPE: PRT
131 <213> ORGANISM: Homo sapiens
132 <400> SEQUENCE: 14
133 Lys Gln Gly Thr Glu Ile Asp Gly Arg Ser Ile Ser Leu Tyr Tyr Thr
134 1 5 10 JUN 05 2000
TECH CENTER 1600/2200
135 <210> SEQ ID NO 15
136 <211> LENGTH: 15
137 <212> TYPE: PRT
138 <213> ORGANISM: Homo sapiens
139 <400> SEQUENCE: 15
140 Lys Gly Tyr Ala Phe Ile Glu Phe Ala Ser Phe Glu Asp Ala Lys
141 1 5 10 15
142 <210> SEQ ID NO 16
143 <211> LENGTH: 15
144 <212> TYPE: PRT

RECEIVED

JUN 05 2000
TECH CENTER 1600/2200

PAGE: 4

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/393,302DATE: 05/08/2000
TIME: 18:25:01

Input Set: I393302.RAW

145 <213> ORGANISM: Homo sapiens
146 <400> SEQUENCE: 16
147 Lys Gly Tyr Ala Phe Ile Glu Phe Ala Ser Phe Glu Asp Ala Lys
148 1 5 10 15
149 <210> SEQ ID NO 17
150 <211> LENGTH: 7
151 <212> TYPE: PRT
152 <213> ORGANISM: Homo sapiens
153 <400> SEQUENCE: 17
154 Lys Ala Leu Glu Leu Thr Gly
155 1 5
156 <210> SEQ ID NO 18
157 <211> LENGTH: 7
158 <212> TYPE: PRT
159 <213> ORGANISM: Homo sapiens
160 <400> SEQUENCE: 18
161 Lys Gln Gly Thr Glu Ile Asp
162 1 5
163 <210> SEQ ID NO 19
164 <211> LENGTH: 10
165 <212> TYPE: PRT
166 <213> ORGANISM: Homo sapiens
167 <400> SEQUENCE: 19
168 Lys Val Thr Leu Asp Trp Ala Lys Pro Lys
169 1 5 10
170 <210> SEQ ID NO 20
171 <211> LENGTH: 7
172 <212> TYPE: PRT
173 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 20
175 Lys Lys Leu Glu Leu Ser Glu
176 1 5
177 <210> SEQ ID NO 21
178 <211> LENGTH: 16
179 <212> TYPE: PRT
180 <213> ORGANISM: Homo sapiens
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Xaa at position 8 is unknown
183 <400> SEQUENCE: 21
184 Lys Ser Leu Asp Leu Phe Asn Xaa Glu Val Thr Asn Leu Asn Asp Tyr
185 1 5 10 15
186 <210> SEQ ID NO 22
187 <211> LENGTH: 707
188 <212> TYPE: PRT
189 <213> ORGANISM: Homo sapiens
190 <400> SEQUENCE: 22
191 Met Val Lys Leu Ala Lys Ala Gly Lys Asn Gln Gly Asp Pro Lys Lys
192 1 5 10 15
193 Met Ala Pro Pro Pro Lys Glu Val Glu Glu Asp Ser Glu Asp Glu Glu
194 20 25 30

PAGE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/393,302DATE: 05/08/2000
TIME: 18:25:01

Input Set: I393302.RAW

195 Met Ser Glu Asp Glu Glu Asp Asp Ser Ser Gly Glu Glu Val Val Ile
196 35 40 45
197 Pro Gln Lys Lys Gly Lys Lys Ala Ala Ala Thr Ser Ala Lys Lys Val
198 50 55 60
199 Val Val Ser Pro Thr Lys Lys Val Ala Val Ala Thr Pro Ala Lys Lys
200 65 70 75 80
201 Ala Ala Val Thr Pro Gly Lys Lys Ala Ala Ala Thr Pro Ala Lys Lys
202 85 90 95
203 Thr Val Thr Pro Ala Lys Ala Val Thr Thr Pro Gly Lys Lys Gly Ala
204 100 105 110
205 Thr Pro Gly Lys Ala Leu Val Ala Thr Pro Gly Lys Lys Gly Ala Ala
206 115 120 125
207 Ile Pro Ala Lys Gly Ala Lys Asn Gly Lys Asn Ala Lys Lys Glu Asp
208 130 135 140
209 Ser Asp Glu Glu Glu Asp Asp Ser Glu Glu Asp Glu Glu Asp Asp
210 145 150 155 160
211 Glu Asp Glu Asp Glu Asp Glu Ile Glu Pro Ala Ala Met Lys
212 165 170 175
213 Ala Ala Ala Ala Pro Ala Ser Glu Asp Glu Asp Asp Glu Asp Asp
214 180 185 190
215 Glu Asp Asp Glu Asp Asp Asp Asp Glu Glu Asp Asp Ser Glu Glu
216 195 200 205
217 Glu Ala Met Glu Thr Thr Pro Ala Lys Gly Lys Lys Ala Ala Lys Val
218 210 215 220
219 Val Pro Val Lys Ala Lys Asn Val Ala Glu Asp Glu Asp Glu Glu
220 225 230 235 240
221 Asp Asp Glu Asp Glu Asp Asp Asp Asp Glu Asp Asp Glu Asp Asp
222 245 250 255
223 Asp Asp Glu Asp Asp Glu Glu Glu Glu Glu Glu Glu Glu Glu Pro
224 260 265 270
225 Val Lys Glu Ala Pro Gly Lys Arg Lys Lys Glu Met Ala Lys Gln Lys
226 275 280 285
227 Ala Ala Pro Glu Ala Lys Lys Gln Lys Val Glu Gly Thr Glu Pro Thr
228 290 295 300
229 Thr Ala Phe Asn Leu Phe Val Gly Asn Leu Asn Phe Asn Lys Ser Ala
230 305 310 315 320
231 Pro Glu Leu Lys Thr Gly Ile Ser Asp Val Phe Ala Lys Asn Asp Leu
232 325 330 335
233 Ala Val Val Asp Val Arg Ile Gly Met Thr Arg Lys Phe Gly Tyr Val
234 340 345 350
235 Asp Phe Glu Ser Ala Glu Asp Leu Glu Lys Ala Leu Glu Leu Thr Gly
236 355 360 365
237 Leu Lys Val Phe Gly Asn Glu Ile Lys Leu Glu Lys Pro Lys Gly Lys
238 370 375 380
239 Asp Ser Lys Lys Glu Arg Asp Ala Arg Thr Leu Leu Ala Lys Asn Leu
240 385 390 395 400
241 Pro Tyr Lys Val Thr Gln Asp Glu Leu Lys Glu Val Phe Glu Asp Ala
242 405 410 415
243 Ala Glu Ile Arg Leu Val Ser Lys Asp Gly Lys Ser Lys Gly Ile Ala
244 420 425 430

Input Set: I393302.RAW

Line ? Error/Warning	Original Text
184 W "N" or "Xaa" used: Feature required	Lys Ser Leu Asp Leu Phe Asn Xaa Glu Val T